



Sensational Seasonal Students
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Curriculum Area	Science
Subject Area	Earth Cycles, Patterns and Change
Grade Level	1 st grade
Learning Objectives	<ul style="list-style-type: none"> • The students will create a digital “seasons” book using their own photographs, voices, and graphics. • The student will be able to recognize and describe seasonal changes in personal clothing and activities. • The student will be able to recognize and describe seasonal changes in plants. • The student will be able to write two or three sentences describing seasonal changes.
Correlation to the SOL	Science 1.7 C/T 5.2
Video/Technology Hardware/Software Needed	For class: Multimedia Computer with printer attached Computer Projector System Presentation software (such as <i>HyperStudio</i> or <i>KidPix</i> or <i>Clarisworks</i>) Digital Camera
Materials Required	For class: Pictures in books or magazines of children engaged in seasonal activities Pictures of seasonal changes in plants/trees Teacher-created <i>HyperStudio</i> stacks, or slideshow templates, one for each season. Save onto computer hard disk or floppy disks, whichever will be most convenient for students to use when editing.
Procedures/Activities	<ol style="list-style-type: none"> 1. Using reference materials, discuss seasonal changes in clothing, activities and familiar plants/trees. Divide the children into 4 groups according to their preference of seasons. 2. Take a digital photograph of each child standing in front of a plain background. Use poses according to what the child would like to be doing in his/her picture—holding an umbrella, throwing a snowball... 3. Demonstrate how to use drawing tools to erase the background behind the student, and then add details (for winter, draw mittens onto hands, add a tree with no leaves) to create the picture. Let the students create their “pages” for the book. Show the students how to add a text box to their picture, and have them type and edit two or three sentences describing the picture and season.

	<p>4. If you are using HyperStudio, add an invisible button over each child's portrait, and help the children record their voices into the computer, either reading their sentences or singing a short verse of an appropriate seasonal song (<i>It Snowed Last Night</i>, etc.).</p> <p>5. Let a student make a title page, and then connect all the parts of the book into a slide show. Print a class copy, if desired. Make sure the students know how to run the slide show for visitors to their class!</p>
Content Assessment	<p>Checklist:</p> <p>Did the students put appropriate seasonal clothing on their photos?</p> <p>Did they include appropriate plant/tree drawings?</p> <p>Do their sentences indicate an understanding of the topic?</p>
Technology Integration Assessment	<p>Checklist and observation:</p> <p>Was the student able to use drawing tools effectively?</p> <p>Was the student able to use word processing skills effectively?</p> <p>Can the student run the stack or slide show?</p>
Extensions	<p>Language Arts: Students can write cinquain or diamante poems to go with their pictures.</p> <p>Physical Education: Students can have a "dress for the weather" race, in three teams. Gather enough clothes appropriate for the four seasons for three boxes. The teacher calls out a season. The first team to have a member run to their box, put on three items of clothing appropriate for the season and run back to the start wins. Decorate the boxes with printouts of the students' drawings.</p> <p>Math: Have the students add details to their pictures for different kinds of weather (rain, fog, wind, sun, clouds). Print small copies of the pictures onto sticker paper, and have the students stick one onto each day of a classroom calendar. Count and graph the days each month for each kind of weather.</p>